

Work Order ID 83154

83154

April-13-12 10:35:14 AM

Page 1

Item ID: D412-742-013

Accept

N900040100

Setup Start

NS1

Revision ID:

Item Name: Float Skidtube Installation

Start Date: 13/04/2012 Start Qty: 1.00

1

Required Date: 27/04/2012 Req'd Qty: 1.00

1

Reference:

Cust Item ID:

Customer:

Approvals: Process Plan: MLJ

Date: 12/04/13

Tooling:

Date:

Run Start

NR1

QC:

Date:

SPC (Y/N):

Date:

Stop

NR2

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr								
IIN D412-742	E								
100									
100	DOCUMENT CONTROL	0.00							
DC	Memo	0.00							
Document Control	Photocopy bluefile and create labels per PPP D412-742-013	CHG007							

110	Pick Kit	0.00							
-----	----------	------	--	--	--	--	--	--	--

110									
-------	--	--	--	--	--	--	--	--	--

Packaging	Memo	0.00							
-----------	------	------	--	--	--	--	--	--	--

Packaging									
-----------	--	--	--	--	--	--	--	--	--

120	QC4- 100% Inspect kits for completeness	0.00							
-----	---	------	--	--	--	--	--	--	--

120									
-------	--	--	--	--	--	--	--	--	--

QC	Memo	0.00							
----	------	------	--	--	--	--	--	--	--

Quality Control									
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MLJ 12-4-25

12/04/13

12/04/13

12/04/13

W/O:		WORK ORDER CHANGES							
DATE	STEP	PROCEDURE CHANGE			By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____
 Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 83154

83154

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• April-13-12 10:35:14 AM

Item ID: D412-742-013

Accept

N900040100

Setup Start

NS1

Revision ID:

Item Name: Float Skidtube Installation

Stop

NS2

Start Date: 13/04/2012 Start Qty: 1.00

1

Cust Item ID:

Required Date: 27/04/2012 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals:	Process Plan:	Date:	Tooling:	Date:	Run	Start	*NR1*
	QC:	Date:	SPC (Y/N):	Date:	Stop		*NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130 *130* Packaging	Packaging	0.00							
Packaging	Memo	0.00							
	Identify and pack for shipping as per PPP D412-742-013 Location: _____								
140 *140* QC Quality Control	QC21- Final Inspection - Work Order Release	0.00							<i>12/15/25</i>
	Memo	0.00							

MF
12-05-25

W/O:		WORK ORDER CHANGES							
DATE	STEP	PROCEDURE CHANGE			By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____
 Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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Work Order ID: 83154

83154
D412-742-013

Parent Item: D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 13/04/2012

Required Date: 27/04/2012

Start Qty: 1.00

Required Qty: 1.00

Comments:

IPP Rev: A05.10.13 New Issue KJ/JLM
 IPP Rev:B 06-06-08 As per DSI9336 JLM IPP RevC
 07-12-03 ECN 1072 DD verified by:JLM
 IPP Rev:D 08-09-08 ecn 08-510 DD verified by:EC
 IPP Rev:E 09-01-23 as per DSI9441 DD verified by:EC IPP RevF: add
 AN4C7A DD 10.01.13 verified by:EC IPP Rev:G 11.11.01 as per
 DSI9517 REV.B DD verified by:EC IPP rev:H 12.01.12 PER IIN
 REV.E DD VERF: IPP Rev:I add AN4C47A DD 12.03.14
 verified by:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
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AN4C47A	Purchased	No			110	Each	42.0000	4	4				
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AN4C47A	Location		Loc Qty	Loc Code	M121585
	ST361	118451			
Bolt	42	6			
	119798	2			
	121009	34			

D412-742-043	Manufactured	No		110	Each	0.0000	1	1				
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D412-742-043	Location		Loc Qty	Loc Code	83155
	ST361	118451			
Replacement Float Skidtube	42	6			
	119798	2			
	121009	34			

W/O:		WORK ORDER CHANGES						
DATE	STEP		PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____
 Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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Work Order ID: 83154

83154
D412-742-013

Parent Item: D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 13/04/2012

Start Qty: 1.00

Required Date: 27/04/2012

Required Qty: 1.00

D2571

Manufactured No

110

Each

24.0000

1
1
**

D2571
Saddle, Fwd Out 205

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST	1	
11644	1	
ST425	-13	
ST432	23	
80828	4	
81764	12	7
82049	7	
ST433	13	

D2572

Manufactured No

110

Each

20.0000

1
1
**

D2572
Saddle, Fwd In 205

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST432	20	
71107	2	
81765	12	
82050	6	

D2573

Manufactured No

110

Each

10.0000

1
1
**
124125

D2573
Saddle, Aft Out 205

820418

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST423	-12	
79424	0	
ST433	10	
81221	10	A
ST434	12	

W/O:		WORK ORDER CHANGES							
DATE	STEP	PROCEDURE CHANGE			By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____
 Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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Parent Item: D412-742-013

D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 13/04/2012

Required Date: 27/04/2012

Start Qty: 1.00

Required Qty: 1.00

D2574

Manufactured No

110

Each

10.0000

**

1

D2574

Saddle, Aft In 205

3823680

D2876

Manufactured No

81220

110

Each

69.0000

**

2

2

D2876

Saddle Spacer

h

D2877

Manufactured No

79693

110

Each

19.0000

**

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

D3403-1

Manufactured No

78843

110

Each

167.0000

**

8

8

8

8

8

8

8

8

8

8

8

8

8

8

8

8

8

8

8

8

D3403-1

Bushing

Location

Loc Qty

Loc Code

ST041

15

70696

15

ST042

152

80208

7

80219

44

81529

101

840

840

840

840

840

840

840

W/O:		WORK ORDER CHANGES							
DATE	STEP	PROCEDURE CHANGE			By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____
 Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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D412-742-013

Parent Item: D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 13/04/2012

Required Date: 27/04/2012

Start Qty: 1.00

Required Qty: 1.00

D3403-5

Manufactured No

110

Each

150.0000

8 8
**

D3403-5

Bushing

Location Loc Qty Loc Code

ST042 150

79740 7

80221 32

81531 111

D2747

Manufactured No

110

Each

292.0000

4 4
**

D2747

Set Screw

Location Loc Qty Loc Code

ST017 292

79520 92

81877 200

D3533-1

Manufactured No

110

Each

66.0000

2 2
**

D3533-1

Set Screw

Location Loc Qty Loc Code

ST053 66

80326 66

110 110

255.0000

16 16
**

AN4C6A

Bolt

Purchased No

FG

4

103344 4

ST356 251

116704 2

120423 200

120521 49

16
**

W/O:		WORK ORDER CHANGES							
DATE	STEP	PROCEDURE CHANGE			By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____
 Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)							
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Parent Item: D412-742-013

D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 13/04/2012

Required Date: 27/04/2012

Start Qty: 1.00

Required Qty: 1.00

AN4C53A

Purchased

No

110

Each

78.0000

**

Bolt

AN4C53A

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST361	78	
121183	76	2
121184-	2	2

AN4C52A

Purchased

No

110

Each

112.0000

**

AN4C52A

BOLT

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST361	112	
117688	6	
120364	76	
120465	30	7

AN6C12A

Purchased

No

110

Each

102.0000

**

AN6C12A

BOLT

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST341	102	
120423	2	
121302	100	8

D3672-3

Manufactured

No

110

Each

218.0000

**

D3672-3

Phenolic Washer

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST060	218	
64176	172	
81870	46	

W/O:		WORK ORDER CHANGES						
DATE	STEP		PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____
 Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
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83154
D412-742-013

Parent Item: D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 13/04/2012

Required Date: 27/04/2012

Start Qty: 1.00

Required Qty: 1.00

AN960C416L

Purchased No

110 Each 0.0000

32 32

**

M1172918

WASHER

D3672-9

Manufactured No

110 Each 460.0000

8 8

**

D3672-9

Phenolic Washer

Location	Loc Qty	Loc Code
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ST060	460	
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	460	
--	-----	--

81763		
-------	--	--

110	Each	135.0000
-----	------	----------

8 8

**

NAS1149C0632R

Purchased No

110 Each 135.0000

8 8

**

NAS1149C0632R

WASHER

Location	Loc Qty	Loc Code
----------	---------	----------

ST297	135	
-------	-----	--

119736	2	
--------	---	--

120308	33	
--------	----	--

121060	100	
--------	-----	--

110	Each	355.0000
-----	------	----------

8 8

**

D3672-11

Manufactured No

110 Each 355.0000

8 8

**

D3672-11

Phenolic Washer

Location	Loc Qty	Loc Code
----------	---------	----------

ST060	355	
-------	-----	--

77483	355	
-------	-----	--

8

W/O:		WORK ORDER CHANGES							
DATE	STEP	PROCEDURE CHANGE			By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____
 Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)							
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Work Order ID: 83154

83154
D412-742-013

Parent Item: D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 13/04/2012

Required Date: 27/04/2012

Start Qty: 1.00

Required Qty: 1.00

MS21043-4

Purchased

No

110

Each

1,679.000

29
29

**

MS21043-4
Nut

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
FG	40	
104603	40	
ST301	1639	
119546	286	
<u>120308</u>	353	<u>29</u>
121162	1000	

D3591-1

Manufactured

No

110

Each

26.0000

2
2

**

D3591-1

Bushing

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
FP	25	
80377	25	
ST055	1	
57350	1	

D3403-3

Manufactured

No

110

Each

103.0000

8
8

**

10/14/24

D3403-3

Bushing

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST042	103	
80220	2	
<u>81530</u>	101	<u>8</u>

W/O:		WORK ORDER CHANGES							
DATE	STEP	PROCEDURE CHANGE			By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
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Work Order ID: 83154

Parent Item: D412-742-013

Parent Item Name: Float Skidtube Installation

83154
D412-742-013

Start Date: 13/04/2012

Start Qty: 1.00

Required Date: 27/04/2012

Required Qty: 1.00

D3405-041

Manufactured No

110 Each

20.0000

1 1

**

B820315

D3405-041

Lug Assembly

D3405-043

Manufactured No

110 Each

15.0000

1 1

**

B820375

D3405-043

Lug Assembly

AN4C7A

AN4C7A

Bolt

Purchased No

110 Each

199.0000

4 4

**

D

D3407-041

Manufactured No

110 Each

26.0000

1 1

**

12416451

D3407-041

Tow Ring

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST478	20	
62227	2	
77000	2	
82031	16	

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST478	15	
82038	15	

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST356	199	
109147	199	

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST463	26	
82067	9	
82108	17	

W/O:		WORK ORDER CHANGES							
DATE	STEP	PROCEDURE CHANGE			By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____
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83154
D412-742-013

Parent Item: D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 13/04/2012

Required Date: 27/04/2012

Start Qty: 1.00

Required Qty: 1.00

D3417-3

Manufactured No 110 Each 59.0000

2 2
**

D3417-3

Washer

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
-----------------	----------------	-----------------

FG	9	
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33519	9	
-------	---	--

ST042	50	
-------	----	--

80225	50	
-------	----	--

D3456-1

Manufactured No 110 Each 116.0000

2 1
**

D3456-1

Washer

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
-----------------	----------------	-----------------

FG	7	
----	---	--

25701	7	
-------	---	--

ST044	109	
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80252	9	
-------	---	--

81876	100	
-------	-----	--

AN3C37A

Purchased No 110 Each 189.0000

1
**

AN3C37A

BOLT

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
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ST354	189	
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116874	11	
--------	----	--

117010	2	
--------	---	--

120422	26	
--------	----	--

120731	50	
--------	----	--

121068	100	
--------	-----	--

W/O:		WORK ORDER CHANGES							
DATE	STEP	PROCEDURE CHANGE			By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____
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83154
D412-742-013

Parent Item: D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 13/04/2012

Required Date: 27/04/2012

Start Qty: 1.00

Required Qty: 1.00

AN3C40A

Purchased

No

110

Each

41.0000

1 1 1

**

AN3C40A

BOLT

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST354	41	
114442	41	

AN3C41A

Purchased

No

110

Each

221.0000

1 1

**

AN3C41A

BOLT

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
FG	4	
103324	4	
ST354	217	
119673	50	
120753	30	
121013	50	
121067	7	
121313	80	

AN3C42A

Purchased

No

110

Each

59.0000

1 1

**

AN3C42A

BOLT

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST354	59	
106176	1	
119673	8	
120464	25	
121103	25	

W/O:		WORK ORDER CHANGES							
DATE	STEP	PROCEDURE CHANGE			By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

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83154

Parent Item: D412-742-013

D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 13/04/2012

Required Date: 27/04/2012

Start Qty: 1.00

Required Qty: 1.00

AN3C43A

Purchased

No

110

Each

145.0000

4 4

**

S *AN3C43A*
BOLT

Location	Loc Qty	Loc Code
ST354	145	
114455	2	
119673	1	
120364	42	4
120465	100	

AN3C46A

Purchased

No

110

Each

110.0000

5 5

**

m12103

S *AN3C46A*
BOLT

Location	Loc Qty	Loc Code
ST355	110	
103	50	
120447	60	

AN960C10L

NAS1149C0332
R

Purchased

No

110

Each

0.0000

26 26

**

m1255

12/4/2012

washer

W/O:		WORK ORDER CHANGES							
DATE	STEP	PROCEDURE CHANGE			By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____
 Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)							
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector	
			Initial Chief Eng	Action Description Chief Eng	Sign & Date				

NOTE: Date & initial all entries

Picklist Print

April-13-12 10:35:19 AM

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Work Order ID: 83154***83154***
D412-742-013**Parent Item:** D412-742-013**Parent Item Name:** Float Skidtube Installation**Start Date:** 13/04/2012**Required Date:** 27/04/2012**Start Qty:** 1.00**Required Qty:** 1.00

MS21043-3

Purchased

No

110

Each

1,383.000

13

13

**

MS21043-3

Nut

MS21043-3

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
FG	72	
103691	72	
GA	184	
120693	184	
ST301	1127	
118077	2	
118614	83	
118686	30	
119758	20	
121255	992	

W/O:		WORK ORDER CHANGES							
DATE	STEP	PROCEDURE CHANGE			By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

5.2 D412-742-013 (APICAL TRI-BAG) Float Skidtube Installation Parts List

Item	Qty -013	Qty -043	Part Number	Description
	X		D412-742-013	FLOAT SKIDTUBE INSTALLATION
	1	X	D412-742-043	FLOAT SKIDTUBE
		1	D3391-043	412 FLOAT SKIDTUBE
1		*24	*AN3C4A	*BOLT
3		*10	*AN3C6A	*BOLT
4		*4	*AN3C7A	*BOLT
5		*38	*AN960C10L	*WASHER
21		*1	*D4095-041	*WEARSHOE (REPLACES D3564-1)
22		*1	*D4095-043	*WEARSHOE (REPLACES D3564-3)
23		*1	*D4095-045	*WEARSHOE (REPLACES D3564-5)
10		*1	*D3391-021	*412 FORWARD TUBE
11		**1	**D3401-041	**TOW CAP
12A		**10	**AELS-1032-225	**INSERT (REPLACES NAS1330S3KB166)
13		**10	**AN3C4A	**BOLT
14A		**4	**D3672-1	**WASHER (REPLACES NAS1515H3L)
14B		**10	**AN960C10L	**WASHER
24		**1	**D4095-051	**WEARSHOE (REPLACES D3564-13)
20		*1	*D3391-023	*412 MID TUBE
28		**20	**AELS-1032-130	**INSERT (REPLACES NAS1330S3KB116)
30		*1	*D3391-025	*412 AFT TUBE
25		**1	*D4095-049	**WEARPAD (REPLACES D3537-1)
26		**1	*D4095-047	**WEARPAD (REPLACES D3537-7)
31		**1	**D2646	**AFT CAP
32		**14	**AELS-1032-130	**INSERT
36		**8	**AELS-1032-225	**INSERT (REPLACES NAS1330S3KB366)
37A		**6	**AN3C4A	**BOLT
37B		**4	**AN3C5A	**BOLT
38A		**2	**D3672-1	**WASHER (REPLACES NAS1515H3L)
38B		**10	**AN960C10L	**WASHER

(CONTINUED ON PAGE 20)

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Revision: E
 Date: 11.10.19

(CONTINUED FROM PAGE 19)

Item	Qty -013	Qty -043	Part Number	Description
40	1		D2571	SADDLE, FWD OUTSIDE
41	1		D2572	SADDLE, FWD INSIDE
42	1		D2573	SADDLE, AFT OUTSIDE
43	1		D2574	SADDLE, AFT INSIDE
44	2		D2876	SADDLE SPACER
45	2		D2877	SADDLE SPACER
46A	8		D3403-1	BUSHING
46B	8		D3403-5	BUSHING
47A	4		D2747	SET SCREW
47B	2		D3533-1	SET SCREW
48	16		AN4C6A	BOLT
49A	4		AN4C52A	BOLT
49B	4		AN4C53A	BOLT
50	8		AN6C12A	BOLT
51A	32		D3672-3	WASHER (REPLACES NAS1515H4L)
51B	32		AN960C416L	WASHER
52A	8		D3672-9	WASHER (REPLACES NAS1515H6L)
52B	8		AN960C616L	WASHER
53	8		D3672-11	WASHER (REPLACES NAS1515H7L)
54	24		MS21043-4	NUT
55	4		AN4C7A	BOLT
56	2		D3591-1	BUSHING
60	8		D3403-3	BUSHING
61	1		D3405-041	GHW LUG
62	1		D3405-043	GHW LUG
63	4		AN4C47A	BOLT
64	4		MS21043-4	NUT
70	1		D3407-041	TOW RING
71	2		D3417-3	WASHER
72	1		MS21043-4	NUT
73	1		D3456-1	WASHER
91	1		AN3C37A	BOLT
92	1		AN3C40A	BOLT
93	1		AN3C41A	BOLT
94	1		AN3C42A	BOLT
95	4		AN3C43A	BOLT
97	5		AN3C46A	BOLT
99	26		AN960C10L	WASHER
100	13		MS21043-3	NUT

*DENOTES PART IS INCLUDED WITH D3391-043 ASSEMBLY ABOVE

**DENOTES THAT PART IS INCLUDED WITH ASSEMBLY ABOVE

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D412-742 REV. E
AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D412-742 REV. 4

REF. FAA STC: SR01583SE
REF. CANADIAN STC: SH05-37
REF. EASA STC: EASA.IM.R.S.01126

REFERENCE ONLY

PURPOSE

For D412-742-011/-013 Float Skidtube Installations, qty(4) AN4C53A bolts may be replaced with qty(4) AN4C52A bolts. Kits may be supplied from Dart with either AN4C52A or AN4C53A bolts.

Note that it is acceptable to use longer or shorter AN4C bolts than those specified, as long as there is a minimum of 1.5 threads in safety.

CHANGE

The parts lists of Installation Instructions IIN-D412-742 Rev. E and Instructions for Continued Airworthiness ICA-D412-742 Rev. 4 is amended as follows:

5.1 D412-742-011 (PMA/OEM) Float Skidtube Installation Parts List (IIN-D412-742)

32.18 D412-742-011 (PMA/OEM) Float Skidtube Installation Parts List (ICA-D412-742)

Item	Qty -011	Qty -041	Qty -015	Part Number	Description
	X			D412-742-011	FLOAT SKIDTUBE INSTALLATION

IS:

49B	4		AN4C53A OR AN4C52A	BOLT
-----	---	--	-----------------------	------

WAS:

49B	4		AN4C53A	BOLT
-----	---	--	---------	------

5.2 D412-742-013 (APICAL TRI-BAG) Float Skidtube Installation Parts List (IIN-D412-742)

32.19 D412-742-013 (APICAL TRI-BAG) Float Skidtube Installation Parts List (ICA-D412-742)

Item	Qty -013	Qty -043	Part Number	Description
	X		D412-742-013	FLOAT SKIDTUBE INSTALLATION

IS:

49B	4		AN4C53A OR AN4C52A	BOLT
-----	---	--	-----------------------	------

WAS:

49B	4		AN4C53A	BOLT
-----	---	--	---------	------

A	NEW ISSUE	CP	12.02.28
REV.	DESCRIPTION	BY	DATE
DESIGN	99	DART AEROSPACE USA, INC KENT, WA	
DRAWN	99		
CHECKED		DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9600	SHEET 1 OF 1
APPROVED	LM	TITLE	SCALE
DE APPR.		BOLT SUBSTITUTION NTS	
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